

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference RECP59840001	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 03/02691	International filing date (day/month/year) 20/06/2003	(Earliest) Priority Date (day/month/year) 21/06/2002
Applicant APPLIED MATERIALS, INC		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

contained in the international application in written form.

filed together with the international application in computer readable form.

furnished subsequently to this Authority in written form.

furnished subsequently to this Authority in computer readable form.

the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. 2

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

None of the figures.

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International application No.

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5x III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An end station for an ion implanter has a vacuum chamber (18) which receives an ion beam (19). The wafer holder (22) is mounted at the distal end (23) of a scanning arm (24) which has its proximal end (25) attached to the chamber wall (26). The scanning arm has at least two rotary joints (27,28) providing articulation of the arm (24) to permit movement of the wafer holder in two orthogonal scan directions in a scan plane transverse to the beam path (21) through the vacuum chamber. A scanning arm driver moves the substrate holder in the scan plane in a desired two-dimensional scan pattern relative to the beam path.

INTERNATIONAL SEARCH REPORT

International Application No
GB 03/02691A. CLASSIFICATION OF SUBJECT MATTER
PC 7 H01J37/317

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01J B25J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 194 748 A (AITKEN DEREK) 16 March 1993 (1993-03-16) column 7, line 48 - column 9, line 7; figure 5 -----	1,11
A	US 5 898 179 A (FARLEY MARVIN ET AL) 27 April 1999 (1999-04-27) cited in the application the whole document -----	
A	US 5 956 077 A (QURESHI IQBAL ET AL) 21 September 1999 (1999-09-21) column 3, line 16 - line 40; figures -----	1-11

 Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
9 February 2004	16/02/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Schaub, G

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

GB 03/02691

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5194748	A	16-03-1993	DE DE EP WO JP	69015616 D1 69015616 T2 0451247 A1 9106972 A1 4502534 T	09-02-1995 24-08-1995 16-10-1991 16-05-1991 07-05-1992
US 5898179	A	27-04-1999	AU EP JP TW TW WO US US	9211998 A 1012865 A1 2001516151 T 478005 B 512390 B 9913488 A1 6163033 A 6437351 B1	29-03-1999 28-06-2000 25-09-2001 01-03-2002 01-12-2002 18-03-1999 19-12-2000 20-08-2002
US 5956077	A	21-09-1999	US CA	5757419 A 2223218 A1	26-05-1998 02-06-1998